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INTERNATIONAL SEARCH REPORT

Internation	tion No
PCT/IB 03/02583	

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F7/72

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MCLOONE M ET AL: "High performance single-chip FPGA Rijndael algorithm implementations"            CRYPTOGRAPHIC HARDWARE AND EMBEDDED SYSTEMS. 3RD INTERNATIONAL WORKSHOP, CHES 2001, PARIS, FRANCE, MAY 14 - 16, 2001            PROCEEDINGS, LECTURE NOTES IN COMPUTER SCIENCE, BERLIN: SPRINGER, DE, vol. 2162, 14 May 2001 (2001-05-14), pages 65-76, XP002203795            ISBN: 3-540-42521-7            page 70, line 8-12; figure 5</p> <p style="text-align: center;">-/-</p>	1-16

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*A\* document member of the same patent family

Date of the actual completion of the International search

30 October 2003

Date of mailing of the International search report

06/11/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	STALLINGS W: "THE ADVANCED ENCRYPTION STANDARD" CRYPTOLOGIA, UNITED STATES MILITARY ACADEMY, WEST POINT, NY, US, vol. 26, no. 3, July 2001 (2001-07), pages 165-188, XP001094868 ISSN: 0161-1194 page 175, line 9 -page 178, line 2	1-16